

Anti-Human CD3 [UCHT-1] In Vivo Antibody - Low Endotoxin

Product Information

Product SKU:

IVMB0117

Size:

1mg, 5mg, 25mg, 50mg, 100mg

Concentration:

≥ 5.0 mg/ml

Isotype:

Mouse IgG1 κ

Host:

Mouse

Clone:

UCHT-1

Category:

Monoclonal Antibody

Reactivity:

Human

Synonyms:

T3, CD3ε

Specificity:

Clone UCHT-1 binds to an acidic region of CD3-epsilon, occluding this region from direct interaction with the T cell receptor. This antibody is considered a pan T-cell marker. Furthermore, this antibody can be used for the detection of T cell populations in peripheral blood, lymph nodes and the categorisation of T versus B cell lymphomas and leukaemia's. It reacts with the majority of peripheral blood T lymphocytes, a significant proportion of thymocytes, the majority of T cell chronic lymphocytic leukemia cells and approximately 70% of acute lymphoblastic leukaemia's of T cell origin.

Formulation:

This monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added.

Endotoxin Level:

< 1.0 EU/mg as determined by the LAL method

Purity:

≥95% monomer by analytical SEC · >95% by SDS Page

Immunogen:

This antibody was created by Professor Peter Beverley, a pioneer in creating hybridomas from mice immunized against human lymphocytes, with UCHT1 being one of the first successful fusions.

Storage and Stability:

Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Product Preparation:

Functional grade preclinical antibodies are manufactured in an animal free facility using only In vitro protein free cell culture techniques and are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Applications

Act, CODEX®, CyTOF®, FC, IF Staining, IHC FF, IP, WB

Applications & Recommended Usage:

FC The suggested concentration for this UCHT-1 antibody for staining cells in flow cytometry is ≤ .25 µg per 10⁶ cells in a volume of 100 µl or 100µl of whole blood. Titration of the reagent is recommended for optimal performance for each application.

